

Date: Wed, 20 Apr 94 04:30:20 PDT  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #117  
To: Ham-Equip

Ham-Equip Digest                      Wed, 20 Apr 94                      Volume 94 : Issue 117

Today's Topics:

- RAMSEY PROBLEMS - HELP -  
Ameritron AL-811 amp, MFJ-815B, Low Pass Filter 4-SALE  
Annoying Pbm with Kenwood TM-732A  
Cushcraft R-7 ?? Any Good??  
DualBand Mobile extended RX capability (220band?)  
Duplexers (2 msgs)  
Kenwood TH-78A \*OR\* Yaesu FT-530  
Kenwood TS440S FOR SALE  
Looking for info on new Radio Shack DSP audio filter  
Radio Shack PRO-43 vs Bearcat BC2500XLT  
Ramsey 20M SSB Rig  
Seeking Motorola phone number for schematic  
Wanted: info on Cheap O-Scope  
YAESU FT-2200

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 20 Apr 94 03:48:02 GMT  
From: dog.ee.lbl.gov!agate!cat.cis.Brown.EDU!noc.near.net!news.delphi.com!  
usenet@ucbvax.berkeley.edu  
Subject: - RAMSEY PROBLEMS - HELP -  
To: ham-equip@ucsd.edu

See my reply on rec.radio.amateur.homebrew. 73, John

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Date: Tue, 19 Apr 1994 18:36:17 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!mehalek@network.ucsd.edu  
Subject: Ameritron AL-811 amp, MFJ-815B, Low Pass Filter 4-SALE  
To: ham-equip@ucsd.edu

Ameritron AL-811 amp 600 watt Shortwave Amplifier \$450.

MFJ-815B swr meter 50/B0.

Everything with original boxes and manuals.

Benchner full power Low Pass Filter Model YA-1 (1.8 - 30Mhz) \$50/B0. (Original box not available).

Please send all replies directly to my e-mail address.  
I get on about once per week to check my mail.

You can also call me at (303) 945-0639.

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Stephen Mehalek      mehalek@csn.org

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Date: Tue, 19 Apr 1994 14:40:02  
From: swrinde!cs.utexas.edu!math.ohio-state.edu!cyber2.cyberstore.ca!  
nnntp.cs.ubc.ca!newsxfer.itd.umich.edu!zip.eecs.umich.edu!yeshua.marcam.com!  
news.kei.com!ssd.intel.com!@@ihnp4.ucsd.edu  
Subject: Annoying Pbm with Kenwood TM-732A  
To: ham-equip@ucsd.edu

In article <CoH3Ms.28rI@austin.ibm.com> blood@austin.ibm.com () writes:

>I recently purchased this dual band mobile and discovered a problem  
>which I felt must be a defect. I tried to return it to the dealer, who  
>responded that all-of-em do this...  
>The problem is that when listening to a station on 440, anytime the  
>channel changes on 2mtrs, you get a rather loud click in the speaker.  
>This is a real problem if you try scanning. If you have one, does it  
>do this also? (As a side note: be sure to ask your dealer about their  
>return policy before purchasing any equipment. I have seen an attitude  
>that once you bought it, its between you and the kenwood warranty department.)

Mine does not do this, but I have both bands coming out an external speaker.  
I normally scan on one band and have the other set to my favorite repeater.  
There is a faint noise from the micro or something, but I can't hear it when  
the car is running. Have you tried the microprocessor squelch or s-meter

squelch mode to see if you can eliminate it?

Brett Miller N70LQ  
Intel Corp.  
American Fork, UT

brett\_miller@ccm.hf.intel.com

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Date: 19 Apr 1994 19:12:26 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!noc.near.net!  
jericho.mc.com!fugu!levine@network.ucsd.edu  
Subject: Cushcraft R-7 ?? Any Good??  
To: ham-equip@ucsd.edu

In article 7tb@samba.oit.unc.edu, Kenneth.Guthrie@launchpad.unc.edu (Kenneth Guthrie) writes:

-->I recently bought a used Cushcraft R-7 vertical antenna and would like to  
-->get opinions on whether it is a good antenna or not. I would like to take  
-->my tri-band beam down and replace it the the R-7 if it is a good antenna.  
-->It still looks new. I would like to side mount it on my tower but the  
-->instruction pamphlet said not to mount near a tower, but was wondering if  
-->anyone had tried this?  
-->  
-->Depending on the feedback I get, I will either use it or sell it.  
-->  
-->Please E-mail if you have experience with this antenna.

I have owned an R7 for about 2 years and R5 for almost 2 years  
before it. I got about 200 countries on them. I then put up  
a tower and a tribander. The tribander is easily 5 to 6 S-units  
better. Also, remember the R7 has no front/back so you hear  
everything. On the plus side, I was running 6's and G's  
simultaneously during the 1993 ARRL RTTY Contest!

Keep the R7 clear of metal objects (and probably trees) for  
at least 10 feet, maybe more. I had a 2m vertical about 10 feet  
away which prevented me from obtaining a good SWR anywhere on  
10 meters. As soon as I laid the 2m vertical down on the roof,  
perfect 10m swr curve.

It has withstood 80mph New England winds and the largest snowfall  
season in Boston's history (this year). SWR curves are identical  
to when I put it up. The 40m 2:1 SWR bandwidth is small, so I  
usually adjust just that top section a few inches either way  
depending on which contest is on (RTTY, CW, Phone)

Can you tell that I like the antenna despite it's shortcomings

in terms of gain and F/B? No doubt whatsoever that a tribander is a better performer, but 1/2 wave on 7 bands on one antenna is still nice.

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Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP  
levine@mc.com <--Internet email Phone(508) 256-1300 x247  
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599  
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Date: 18 Apr 1994 20:30:36 GMT  
From: mdisea!mothost!delphinium.cig.mot.com!svec@uunet.uu.net  
Subject: DualBand Mobile extended RX capability (220band?)  
To: ham-equip@ucsd.edu

I have been looking at all the current dual band mobiles on the market trying to learn which ones do some or all of the following transmit and receive ranges. In essence, what amateur dual band mobile, also makes the best broad-coverage receiver. Is anyone aware of a similar study that may have been put out on the net or if not, I would appreciate e-mail from the net as to what radios you may own and what their capabilities are and I will publish a summary in a week or two.

TRANSMIT in 2M/440 ham bands

RECEIVE 108-136AM aircraft  
136-174FM public service, etc  
440-450FM ham band  
450-480FM public service, etc  
850-865FM public service repeaters/trunked  
869-894FM cellular  
920-928FM ham band & other stuff  
928-950FM more public 2-way

Also, I heard someone discussing their 2M/440 dual bander could be modified to also receive in the 220 band but I was listening on a scanner at the time and could not jump in and ask what radio he was talking about.

Currently, I am looking seriously at the Alinco "600" but would be curious what other Kenwood/Icom/Yaesu/etc may also have extended receive like the Alinco does.

In addition to the extended receive coverage information outlined above,

I am similarly interested in the cross-band repeat functions which most new radios have today and how well they work.

Thanks for any and all advice/help... Larry

Larry Svec - KD90F

home: 708-526-1256 e-mail: uunet!motcid!svec1 VHF: 145.150-  
work: 708-632-5259 fax: 708-632-5132 UHF: 443.575+

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Larry Svec - KD90F

home: 708-526-1256 e-mail: uunet!motcid!svec1 VHF: 145.150-  
work: 708-632-5259 fax: 708-632-3290 UHF: 443.575+

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Date: Tue, 19 Apr 1994 14:43:48 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!darwin.sura.net!  
rsg1.er.usgs.gov!dgg.cr.usgs.gov!bodoh@network.ucsd.edu  
Subject: Duplexers  
To: ham-equip@ucsd.edu

Does the use of an antenna duplexer with a dual band mobile radio (such as the Kenwood TM-732) prevent the use of the crossband repeat feature?

Thanks...

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++++++  
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT +  
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +  
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)

+  
+ "Welcome back my friends to the show that never ends!" EL&P  
+

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Date: 19 Apr 94 16:14:45 GMT  
From: yuma!galen@purdue.edu  
Subject: Duplexers  
To: ham-equip@ucsd.edu

In article <1994Apr19.144348.20805@rsg1.er.usgs.gov> bodoh@dgg.cr.usgs.gov (Tom Bodoh) writes:

>Does the use of an antenna duplexer with a dual band mobile radio (such as  
>the Kenwood TM-732) prevent the use of the crossband repeat feature?

As long as the 440 frequency is not close to the third multiple of the 2m frequency, ( 147.57 and 442-444 wouldn't be fun) you shouldn't have any problems. My Alinco 570 has a built-in duplexer, which probably isn't as good as a separate duplexer, and I don't have any trouble.

Galen, KF0YJ

More antennas!!!!

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Date: Wed, 20 Apr 1994 01:45:58 GMT  
From: vigra.com!steve@network.ucsd.edu  
Subject: Kenwood TH-78A \*OR\* Yaesu FT-530  
To: ham-equip@ucsd.edu

--=}>> On 9 Apr 1994 22:01:07 GMT, mrw13@namaste.cc.columbia.edu (Marc Richard Wollemborg) said:

> Has anybody tried both of the above radios and could tell me which of the two  
> I should choose? I hear the Kenwood is nice and small, has a great display,  
> but is a bit hard to program and does suffer from intermod problems. Please  
> email any "votes" or comments. Thanks.

I'm just now shopping for a 2m/440 HT and am trying to make the same decision. The local HRO has the Kenwood TH-78A for \$389 and the Yaesu FT-530 for \$399, so price doesn't seem to be a factor.

I'm totally new to radio (no license yet), so I'm not sure how much to value the different features, but I have plenty of time to learn/shop.

They can both be modified to open up the Rx and Tx ranges, but it sounds like there are many weak areas as you get away from the ham bands.

After mods, the Kenwood does these:

Rx: 50-180 300-400 400-512 800-950  
Tx: 136-180 400-512

The Yaesu does these:

Rx: 110-180 300-500 800-859  
Tx: 130-180 400-470

At first, I liked the idea of getting FM Broadcast Radio (88-108) on the Kenwood, but now I read that it's modulated differently (wide-band?) and doesn't come in anyway, so that's out.

The Kenwood has a six-character alphanumeric display & memory, while the Yaesu does not. Apparently, you can get an optional microphone

for the Yaesu that does have an alpha display, but I haven't seen it, and I'm sure it's pricey.

The Yaesu has "CTCSS" included while it's an extra option on the Kenwood. I have no idea what that feature does, but radios that have it seem to boast about it. The Yaesu also has some kind of Automatic Tone Search feature that I don't yet understand.

Both radios can do VHF/VHF and UHF/UHF, but some people say that this adds interference.

The Yaesu has 82 memories, the Kenwood 50 (expandable to 250?). The Yaesu has a light-up keypad, and I don't think the Kenwood does. The Kenwood does, however, have some internal video games :-).

I've only been shopping for a few days, and I'm beginning to wonder why I don't see much of the Kenwood TH-78A mentioned in comparisons. The general list of recommended models seems to be: ICOM W21AT, Standard C558, Yaesu FT-530, Alinco DJ-580T with no mention of the Kenwood. Hmmm... Is there some glaring problem with this unit that takes it right out of the running from the start?

I'm anxious to hear what other net.folks have to say about these two models.

-Steve

Steve Haehnichen  
steve@vigra.com

Vigra, Inc. San Diego, CA  
(619) 597-7080 x116 Fax: (619) 597-7094

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Date: Tue, 19 Apr 1994 13:11:48 EST  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.cac.psu.edu!psuvml!oduvml!  
tag100g@network.ucsd.edu  
Subject: Kenwood TS440S FOR SALE  
To: ham-equip@ucsd.edu

HAM RADIO: Kenwood TS-440S Transceiver, PS-430 power supply, MC  
435 mic, antenna. 115V or 12V.

All manuals are present. Everything in excellent condition. Kenwood  
automatic tuning and is voice synthesized.

Asking US\$800.00 for the whole package. If interested, contact  
greco@oduph1.physics.odu.edu or if you're near Norfolk Virginia, you  
may call Rick at (804)549-0402.

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Date: 19 Apr 1994 10:19:47 -0700  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!math.ohio-state.edu!  
cyber2.cyberstore.ca!nwnexus!krel.iaa.com!connected.com!connected.com!not-for-  
mail@network.ucsd.edu  
Subject: Looking for info on new Radio Shack DSP audio filter  
To: ham-equip@ucsd.edu

Lets see if I can do it CORRECTLY this time and include the text.

I found the NR mode of the RS-DSP to have little effect on either my TS-430  
or  
FT-736 (any band). It could be the noise floor was low enough that there was  
little effect

I found the SSB mode (carrier reject) to work very well. While monitoring a  
traffic net on 20M with two carriers on frequency the in/out difference was  
marked. The unit also eliminated all computer carriers on 6M (a problem in my  
area).

I also found the three filter widths to work very well. The CW mode also  
worked  
very well.

I did note that the sound was much harsher then with the filter out of the  
circuit. This was due to the AD/DA function of the filter. I have been told that  
this filter is only 8 bits wide, while the competitors are 16 bits (just like  
CDs)

Ralph Lindberg N7BSN email => dragonsl@hebron.connected.com  
more hobbies then time  
member ARRL, AMSAT, CSVHF, NW-MICROWAVE, KITSAP-ARES, SCA, etc

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Date: Tue, 19 Apr 1994 15:56:46 GMT  
From: mozo.cc.purdue.edu!rain!mconner@purdue.edu  
Subject: Radio Shack PRO-43 vs Bearcat BC2500XLT  
To: ham-equip@ucsd.edu

I am looking to buy a scanner shortly, and have narrowed the choices  
to the above listed models (I think the model #s are right). They  
have the frequency coverage I'm looking for without getting over \$350  
(the RS model is right at the limit). Does anyone have good or bad  
experiences with the two models?

Right now I'm leaning towards the Bearcat since I can get it for just  
over \$300. However, I've been told that RS will be having a sale  
shortly (within next two weeks) and the PRO-43 may be put on sale.



Any comments on the two scanners (or other recommendations in the \$250-\$350 range) are appreciated.

--

Mark D. Conner  
Dept. of Earth & Atmospheric Sciences  
Purdue University  
mconner@rain.atms.purdue.edu

Opinions expressed here are  
not necessarily those of the  
Government, DoD, Purdue, or  
the author.

Date: 20 Apr 94 03:51:50 GMT  
From: dog.ee.lbl.gov!agate!cat.cis.Brown.EDU!noc.near.net!news.delphi.com!  
usenet@ucbvax.berkeley.edu  
Subject: Ramsey 20M SSB Rig  
To: ham-equip@ucsd.edu

AB1). We'll have it to deliver at Dayton. Uses Harris DDS and Motorola HC705 C8 micro. I'm always available via phone, not on this Information highway (regards to Gore) too much!

73 John

Date: Tue, 19 Apr 1994 16:27:27 GMT  
From: rit!sunsrvr6!jdc@cs.rochester.edu  
Subject: Seeking Motorola phone number for schematic  
To: ham-equip@ucsd.edu

I recently procured some old Motorola mobile radios at a hamfest, model U63HH-1100R. Any ideas on where to get service manuals, schematics, etc.? Any names, addresses or phone numbers are appreciated.

73...Jim  
N2VNO

Date: Tue, 19 Apr 1994 11:43:36 -0600  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.intercon.com!panix!  
zip.eecs.umich.edu!caen!dowmac165.engin.umich.edu!user@network.ucsd.edu  
Subject: Wanted: info on Cheap O-Scope  
To: ham-equip@ucsd.edu

In article <2ot9vm\$2nv@mozz.unh.edu>, rdm@christa.unh.edu (Richard D Miller) wrote:

> I would like to purchase an O-scope for general use. I would prefer a 40 to  
> 50 MHz dual trace scope. However, I don't want to spend a small fortune,  
> nor do I want to get stuck with a boat anchor.

.....  
> Kelvin lists a 20 MHz for \$385, and a 40 MHz at \$655. the latter is said to  
> have delayed sweep, is this a useful feature?

Depends on what you want the scope to do, but I think delayed sweep is  
about  
the best thing since flush toilets. Basically, it allows you to expand  
a portion of a waveform for detailed analysis.

If it were me, I'd look at used scopes. A Tektronix 453 is still a very  
capable unit, fairly portable, and goes out to 60 MHz. I've seen them  
listed for \$200-300.

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Date: 19 Apr 94 18:35:20 GMT  
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!swrinde!cs.utexas.edu!not-for-  
mail@ucbvax.berkeley.edu  
Subject: YAESU FT-2200  
To: ham-equip@ucsd.edu

I am considering the purchase of the Yaesu FT-2200 2M rig.  
I would greatly appreciate hearing the pro's and con's from  
any of you who have used this rig.

Thank you for your time and have a nice day. :-)

73, Murrie (KD4TKB)

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\* "I reached into the sky and found a friend." \*  
\* Robert H. Nesbitt - WA7UVO \*  
\* CQ Magazine - February 1977 \*  
\* \*  
\*\*\*\*\*  
\* Mr. L. Murrie Lee \*  
\* Associate Registrar LEELM@VXC.UNCWIL.EDU \*  
\* University of North Carolina at Wilmington Phone: 910-395-3126 \*  
\* 601 South College Road FAX: 910-395-3038 \*  
\* Wilmington, North Carolina 28403 U.S.A. \*  
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End of Ham-Equip Digest V94 #117  
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